

FIG.1

08986186-120597

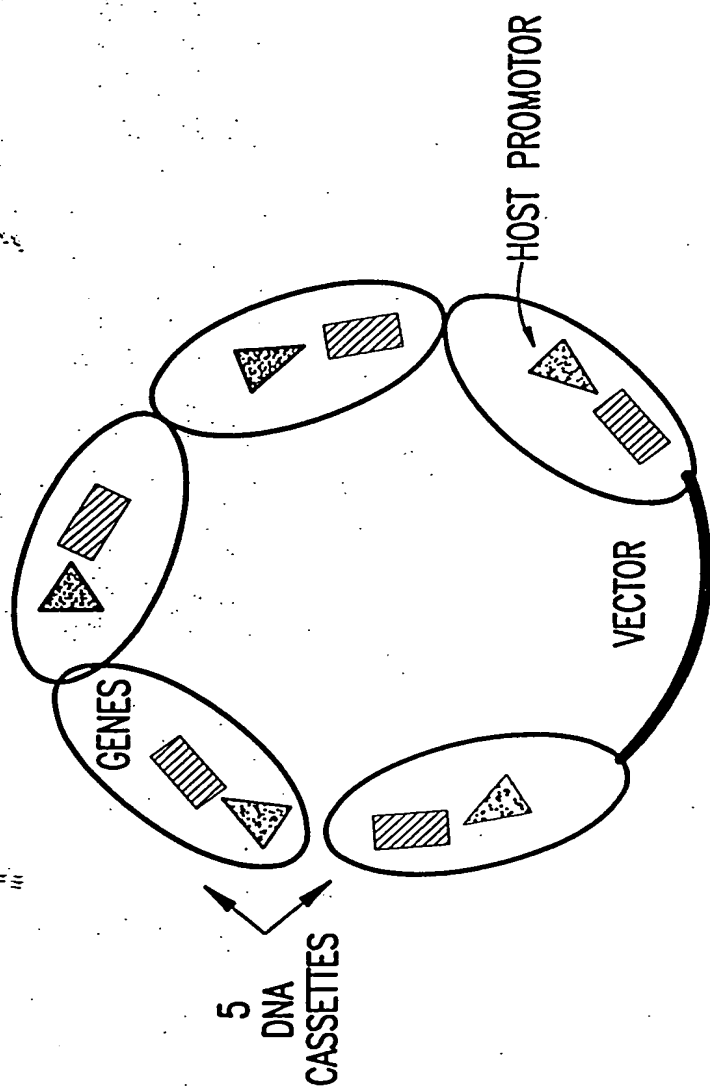


FIG.2

08986185 120597 26502T 98T98680

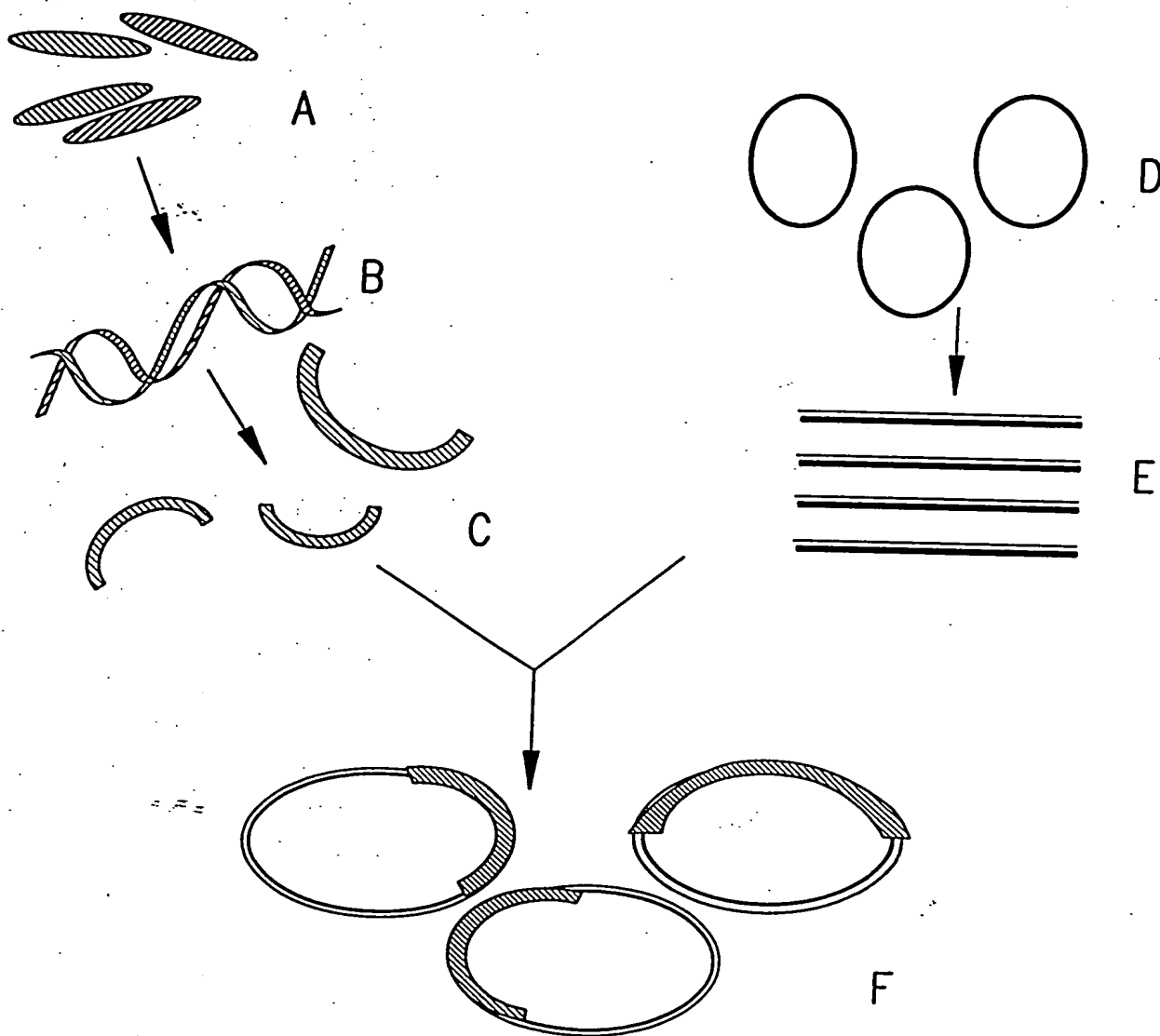
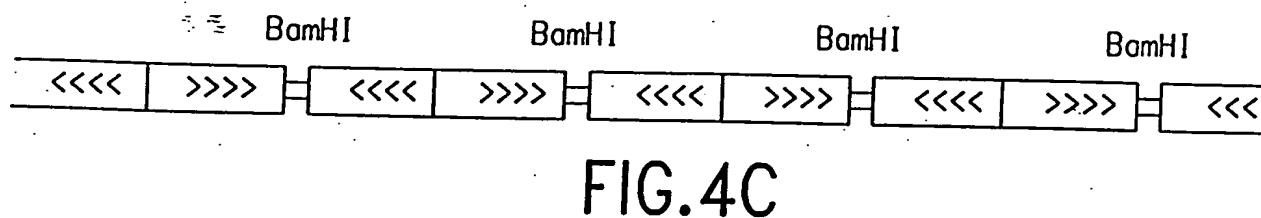
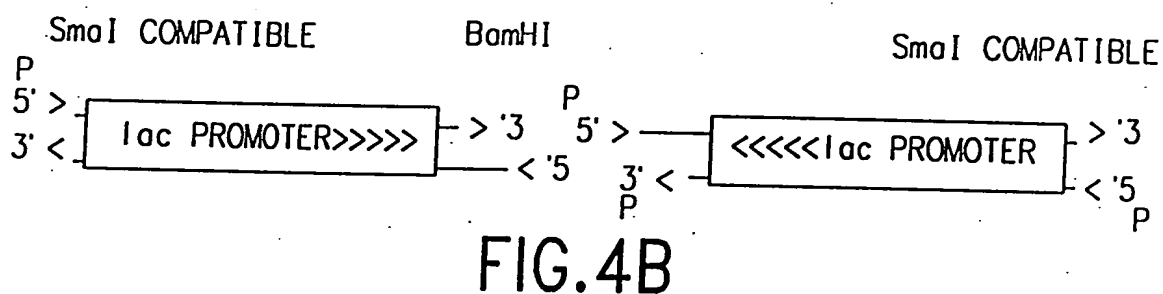
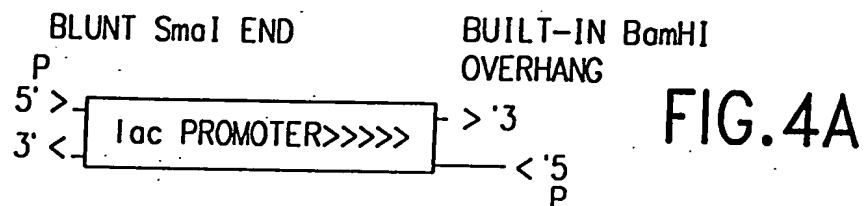


FIG.3

08986186-120597



08986186-120597

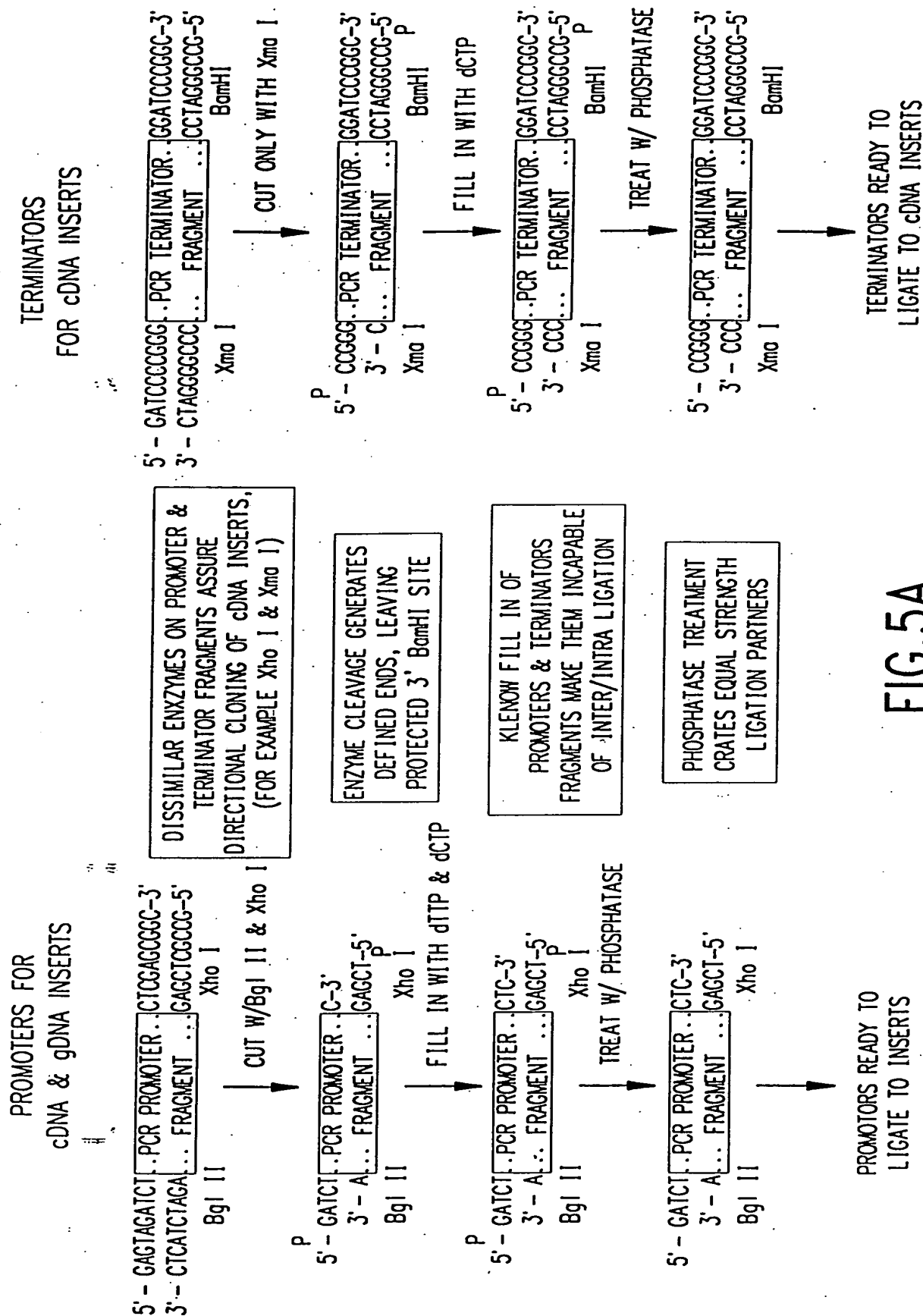


FIG.5A

26502T" 98T98680

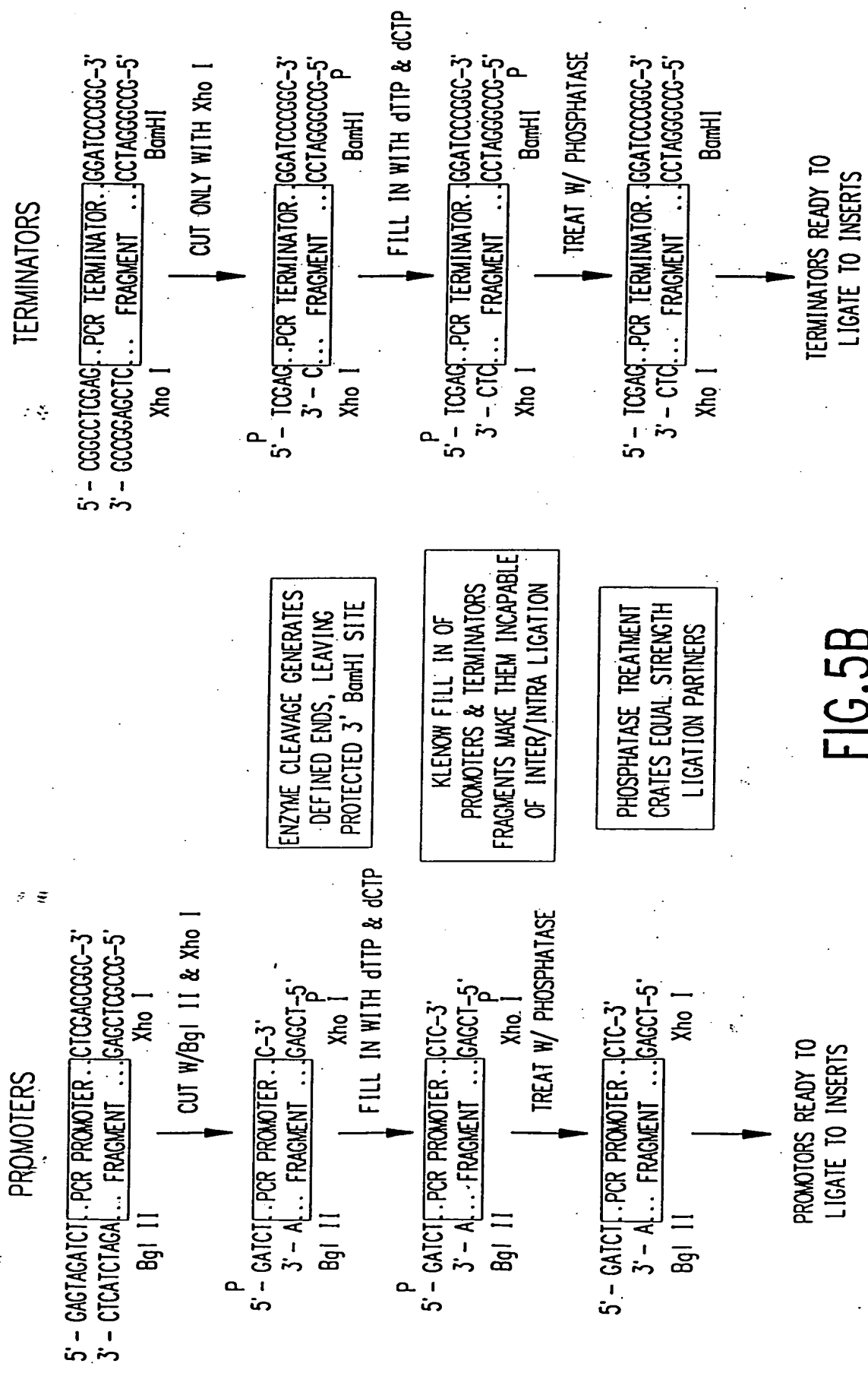
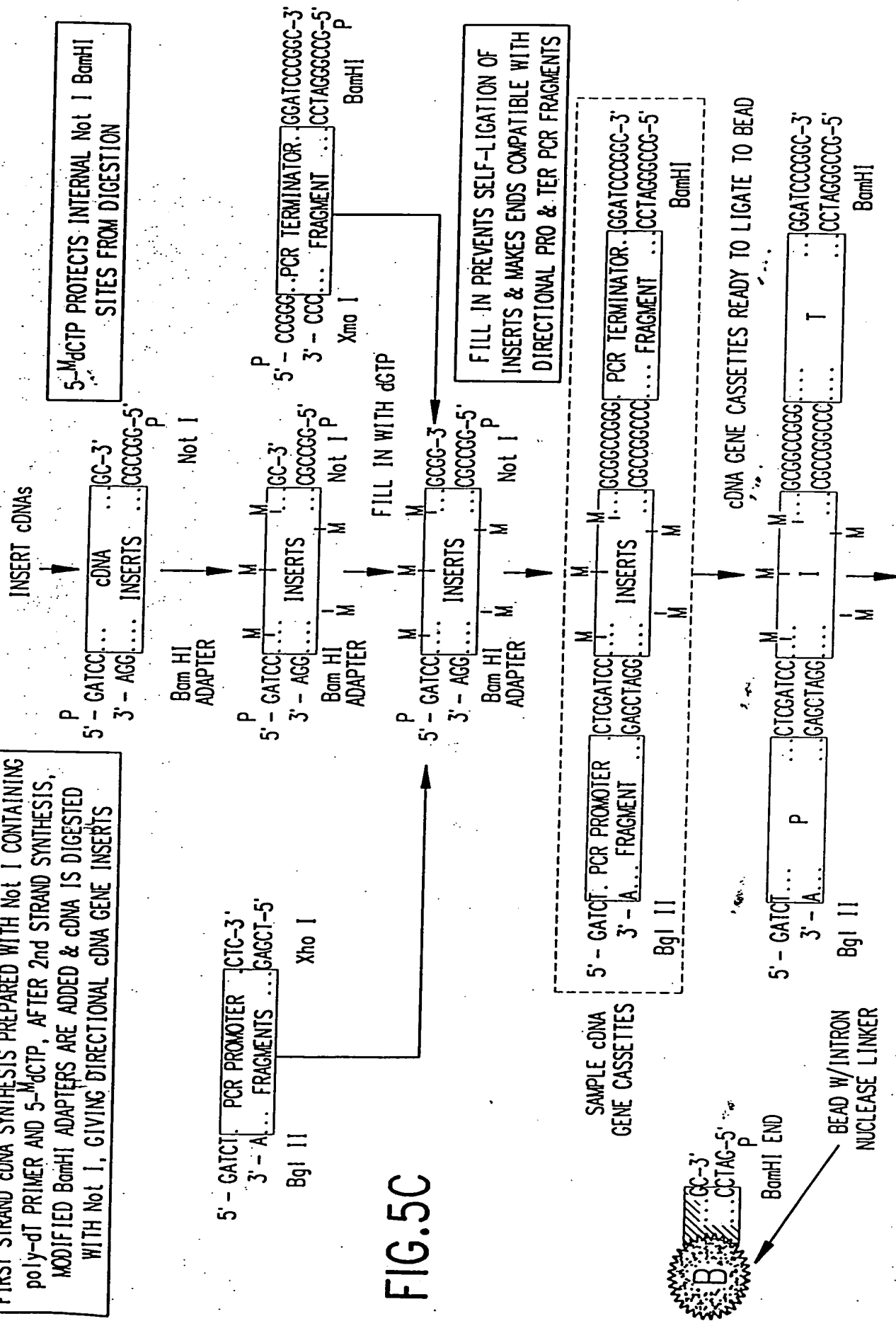
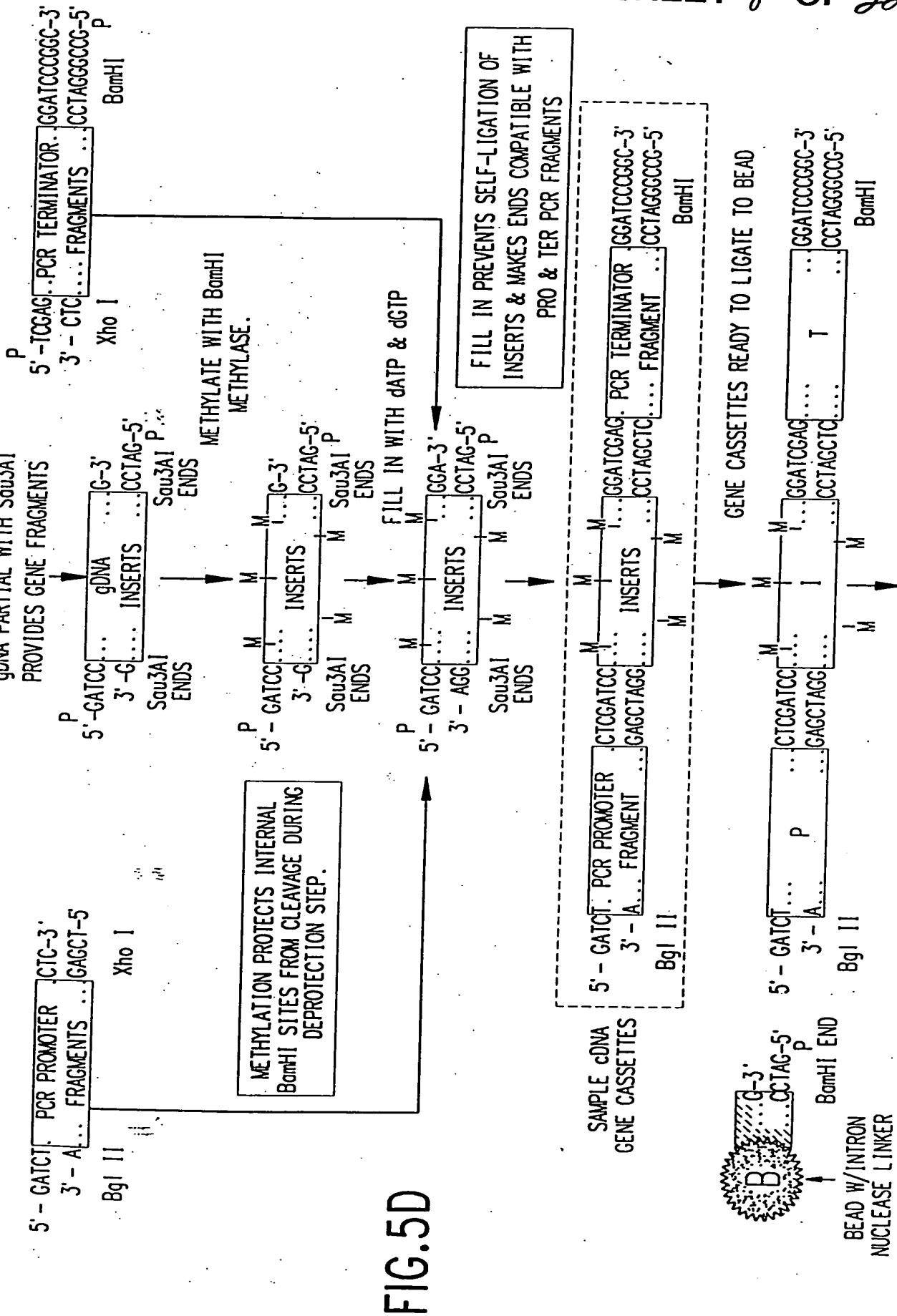


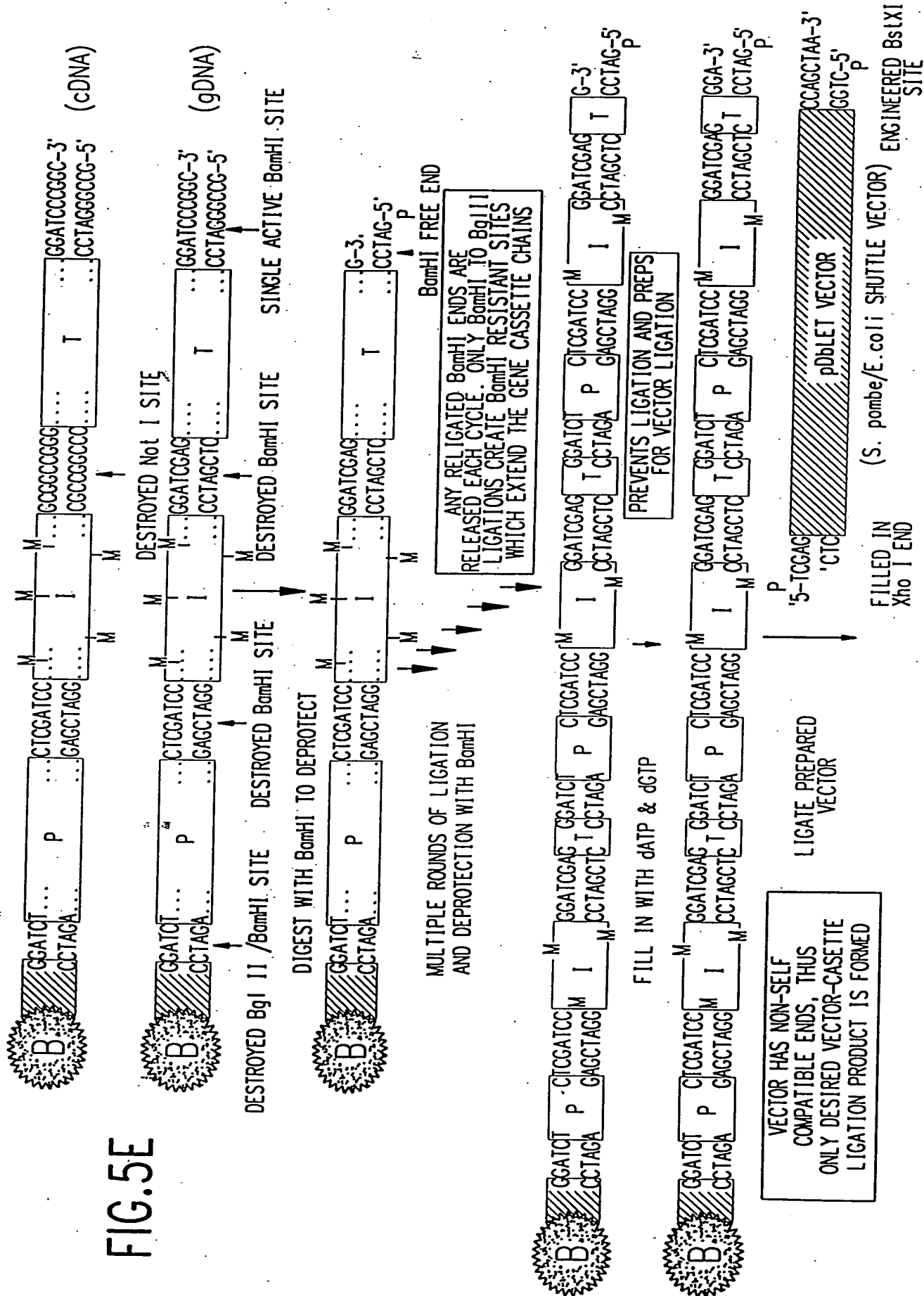
FIG.5B

FIRST STRAND cDNA SYNTHESIS PREPARED WITH Not I CONTAINING poly-dT PRIMER AND 5-M₃dCTP, AFTER 2nd STRAND SYNTHESIS, MODIFIED BamHI ADAPTERS ARE ADDED & cDNA IS DIGESTED WITH Not I, GIVING DIRECTIONAL cDNA GENE INSERTS



265021 98T98680





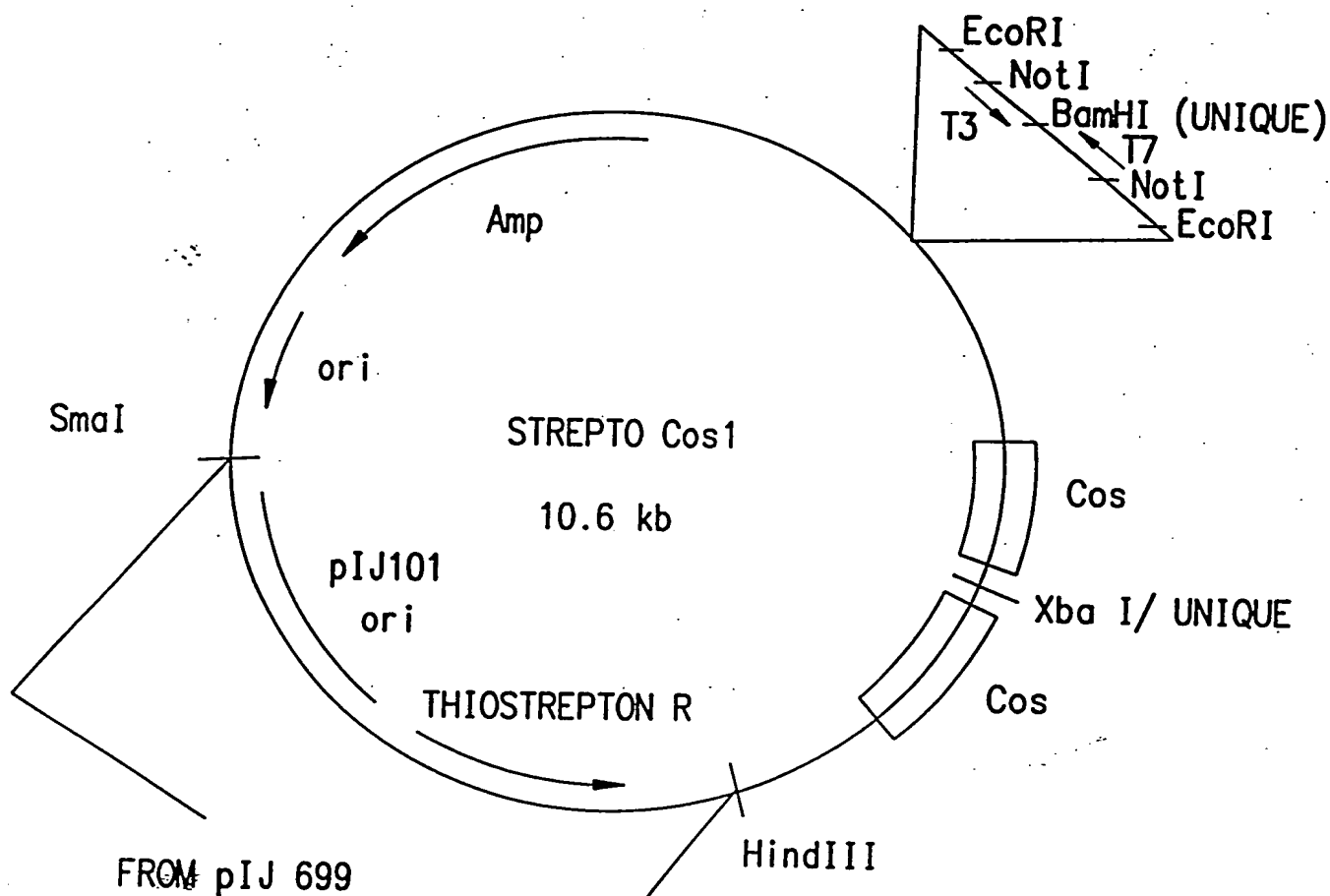
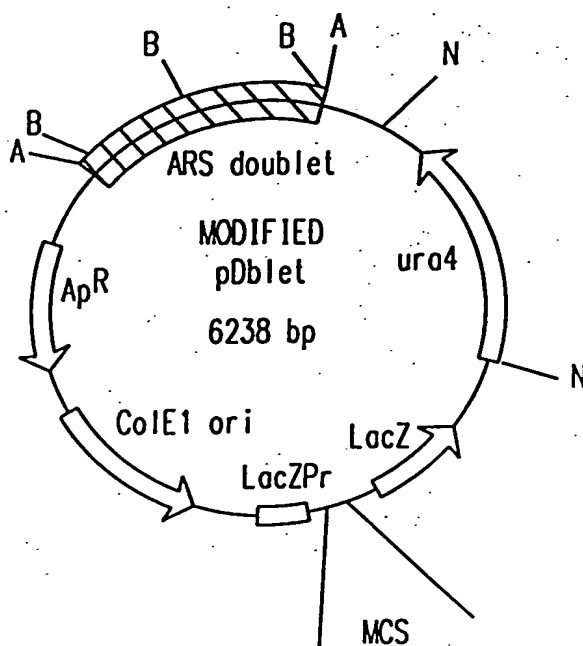


FIG.6A

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MCS = SacI-NcoI-BstXI-NotI-Xba....

FIG.6B

5' CCTAGCCATGGCCACCTAACTGGGATCGC 3'
 3' TCGAGGATCGGTACCGGTGGATTGACCCTAGCGCCGG 5'
 SacI NcoI BstXI NotI END

FIG.6C

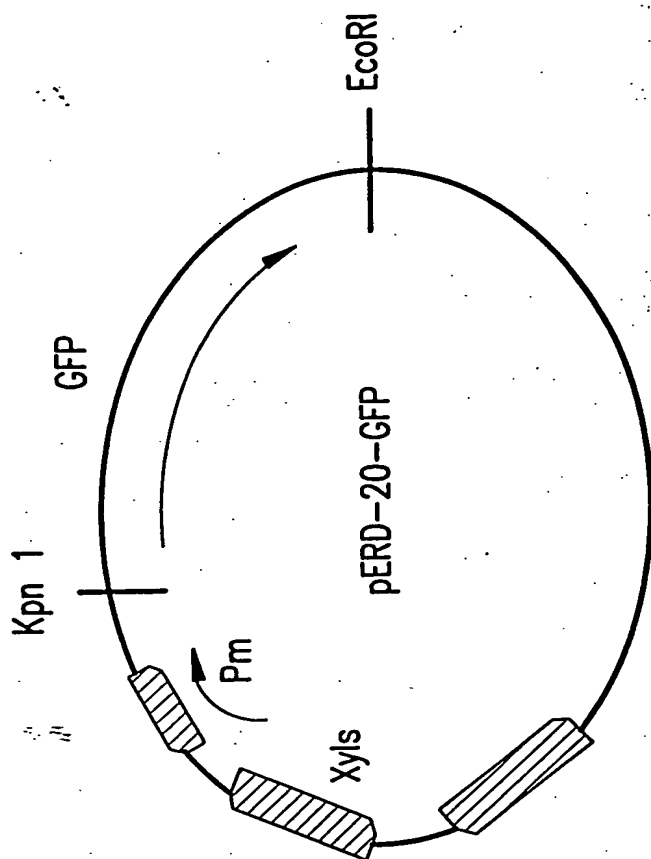


FIG.7

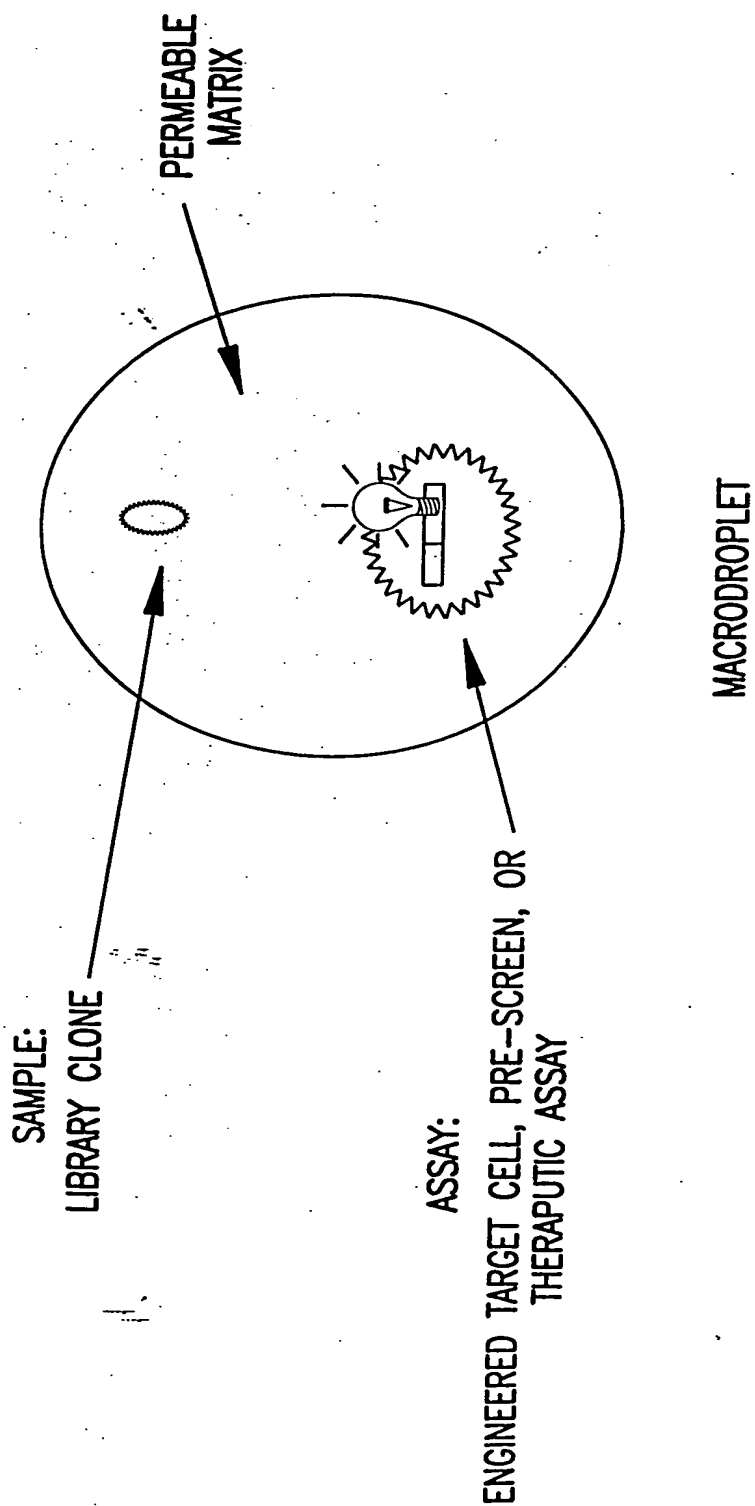


FIG.8

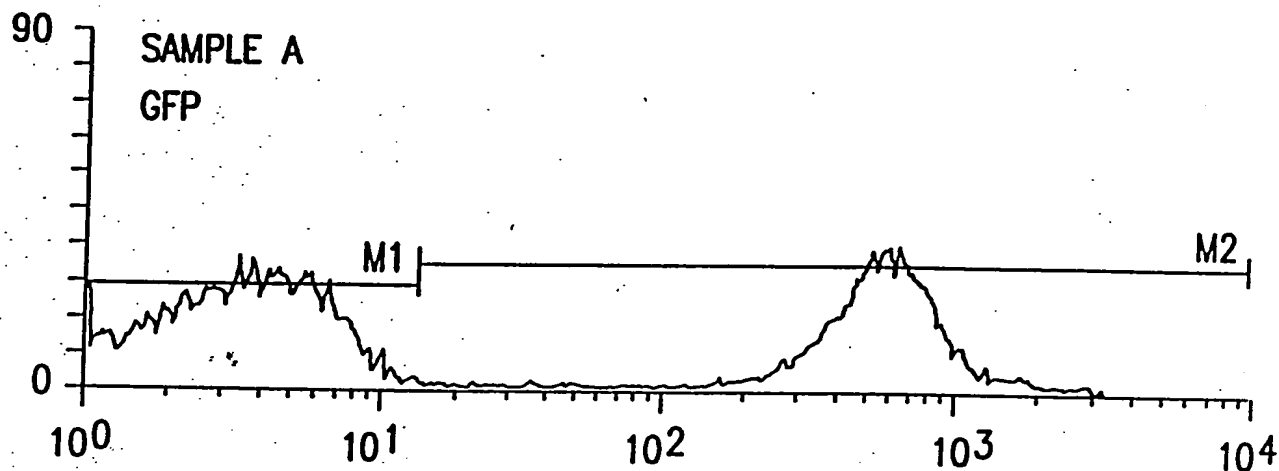


FIG.9A

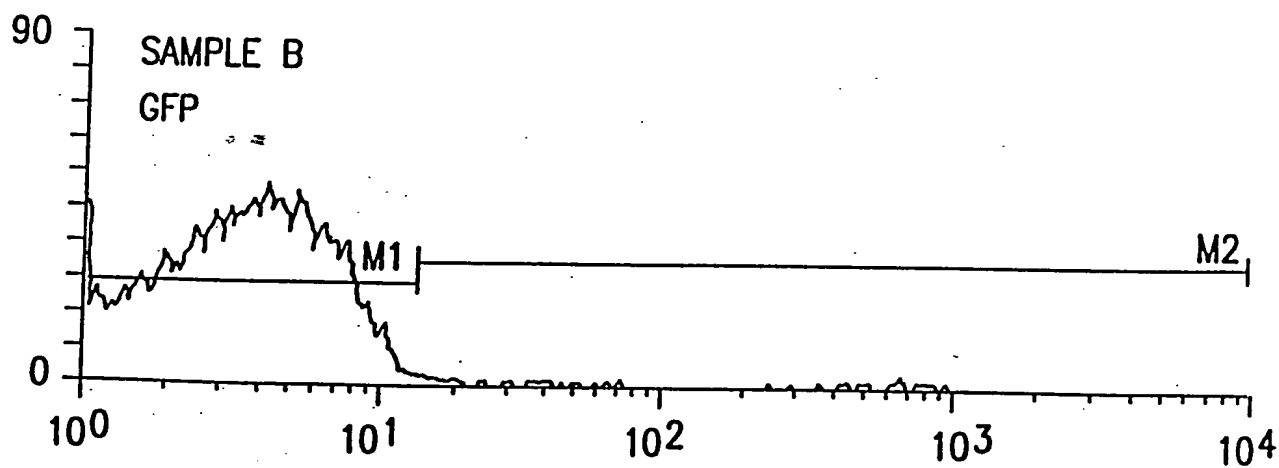


FIG.9B

POSITION		
CXC-AMN20	(1)	NSHFIIITTTQGVLVFDSGSSSEHIGNA (23)
ACTINORHODIN DEHYDRASE	1	MTVEVREVAEGVYAYEQAPGGWCVSNAAGIVVCGDGAALVVDITLSTIPRAARR 50
CXC-AMN20	(24)	IIAAVKRVTEQPIRWVNVNSHSHADHWLGNAAALAKLGAELISLSLAEITMK (73)
ACTINORHODIN DEHYDRASE	51	LAEWVDKLAACPGRTTVVNTTHFHGDHAFGNQVFA-P-GTRIIIAHEDMRSAMIV 99
CXC-AMN20	(74)	SDGPVDVKAFFNMTKCATGESTLVIPITSII LHQQTRTFGDTTEVEFVFAND (123)
ACTINORHODIN DEHYDRASE	100	TTGLALTG-LWPP--RVVDWGEIELRPPNVTFRDRLTLHVGERQVELT CVGP 146
CXC-AMN20	(124)	GHS PGDVM LWLPKQRITLIGGDVVNSNFMPIMTPRGNITQLTSVLKEVEQL (173)
ACTINORHODIN DEHYDRASE	147	AHTDHDVVVWLPPEERVLFFAGDVMMSGVTP-FALFGSVAGTLAALDRLAEL 195
CXC-AMN20	(174)	PLLVLTGHCENTSVKSVSRDIOFLITYASNAVHEALVKGTTPAKIQASLQ (223)
ACTINORHODIN DEHYDRASE	196	EPVVVVGCHGPVAGPEVLDANRDYLRWVQRLAADAVDRRLTPLQAARRAD 245
CXC-AMN20	(224)	ATLRTKFGKAYQDFDTSISYLLLEMMIDKQRLQFSPIT - - - - - (264)
ACTINORHODIN DEHYDRASE	246	LGAFAGLLDAERLVANLHRAHEELLGCHVVRDAMEIFAELVAYNGGQLPTC 295
CXC-AMN20	- - -	- - - - -
ACTINORHODIN DEHYDRASE	296	LA* 297

FIG.10

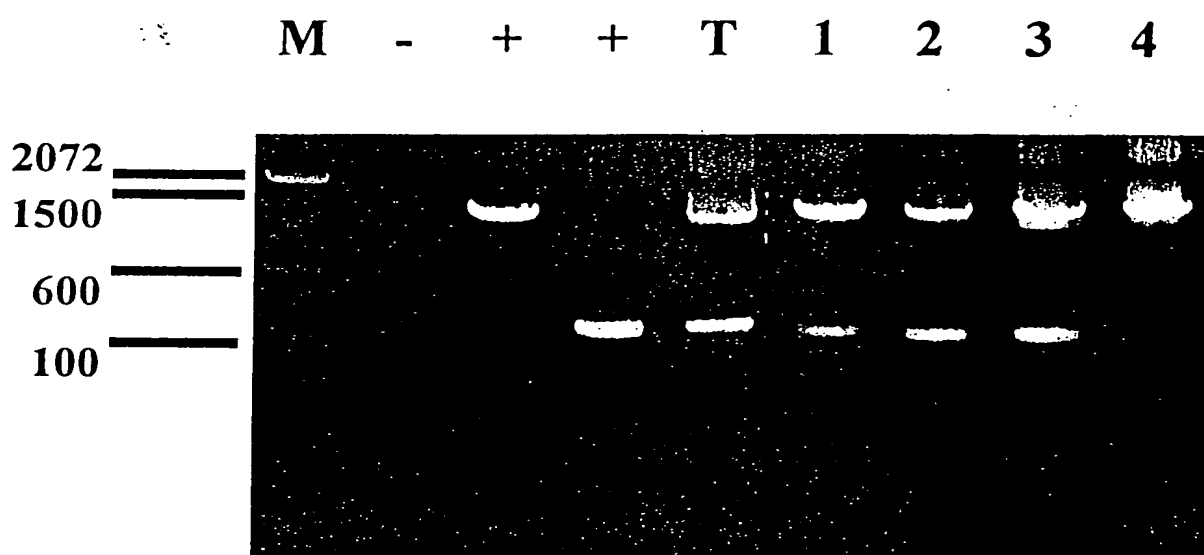


FIG.11

26502T" 98T98680

POOL 1

M - + + 1 2 3 4 5 6 7 8 9 10

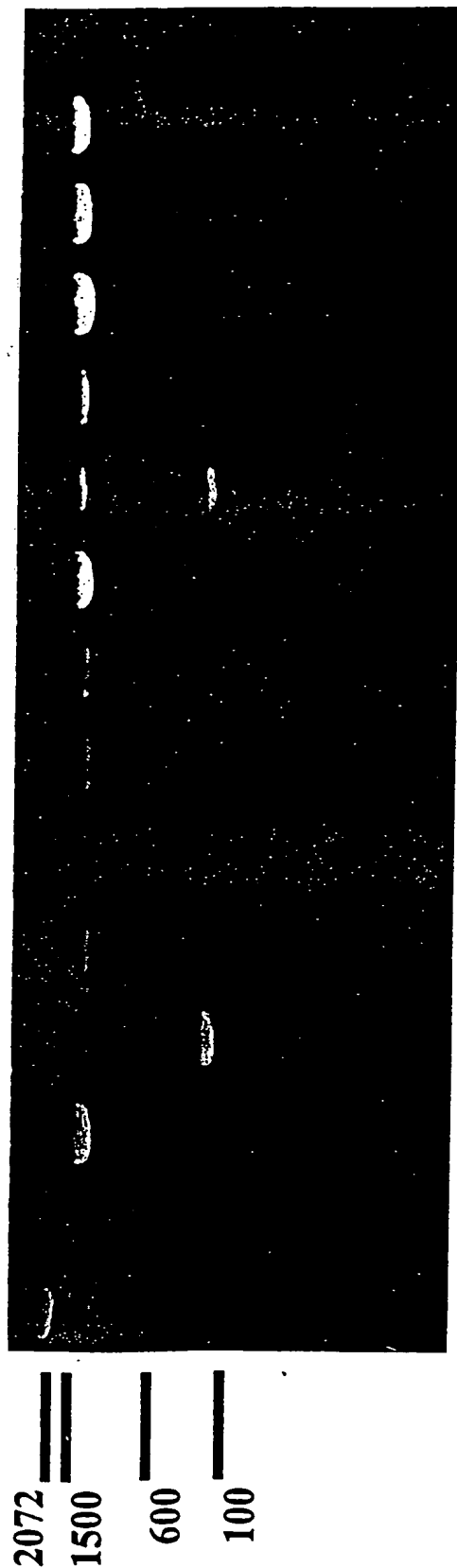


FIG.12A

POOL 2

M - + + 12 13 14 15 16 17 18 19 20

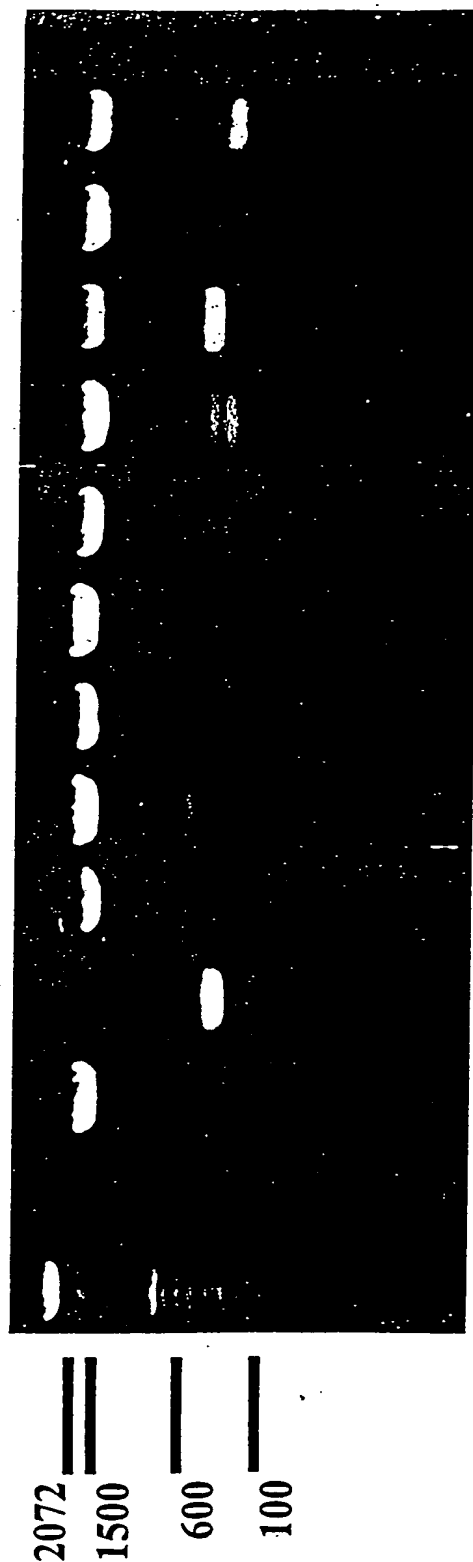


FIG.12B

26502T" 98T98680

POOL 3

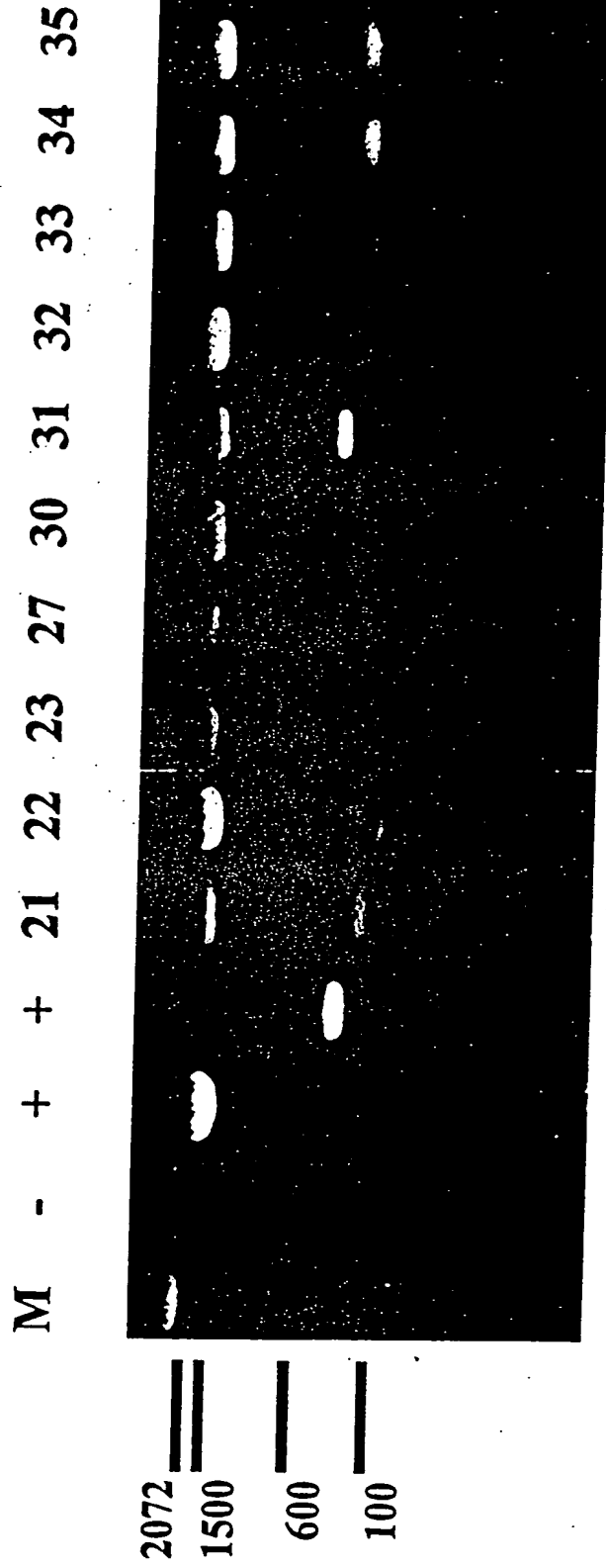


FIG.12C

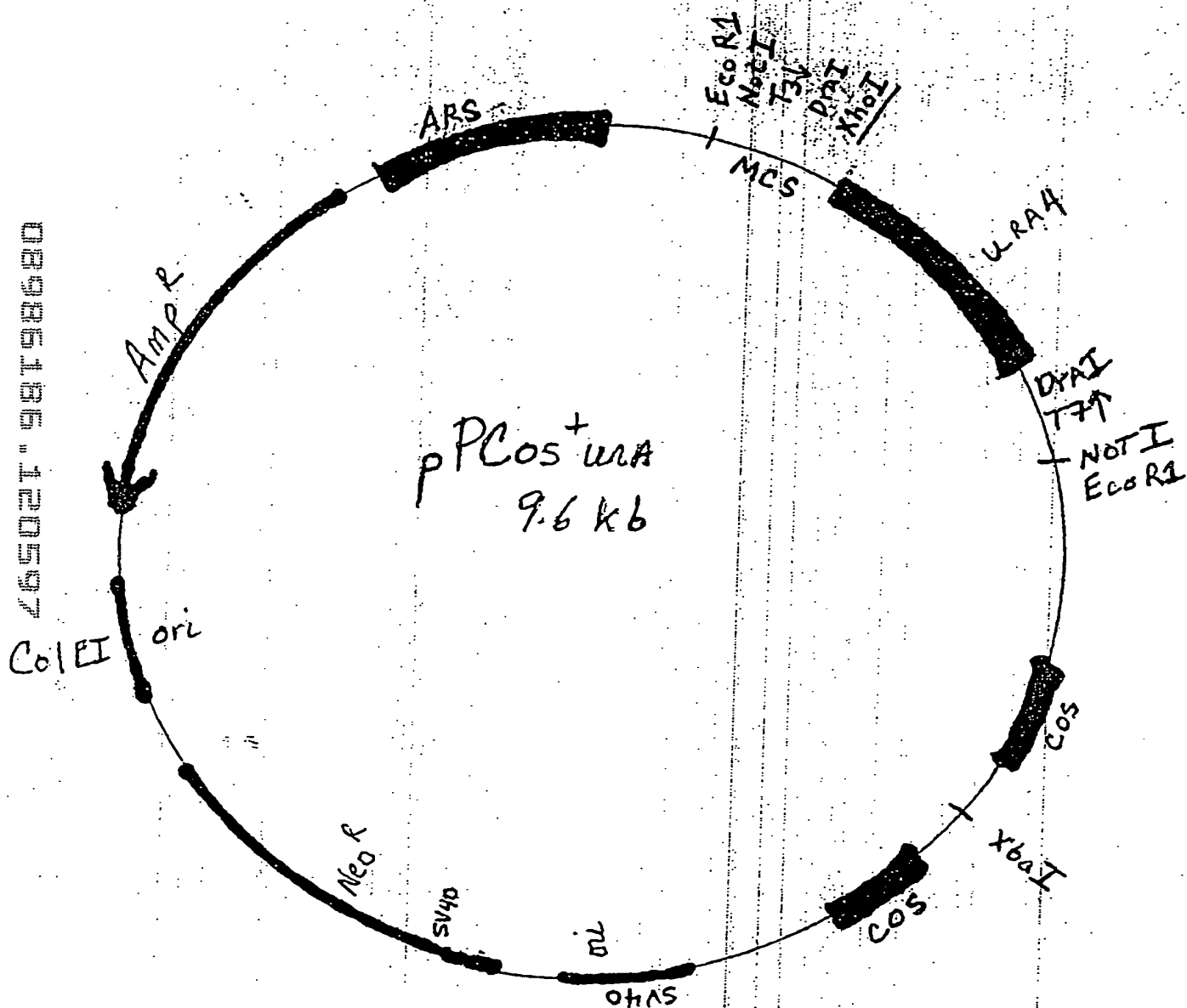


FIG. 13

08986186 120597

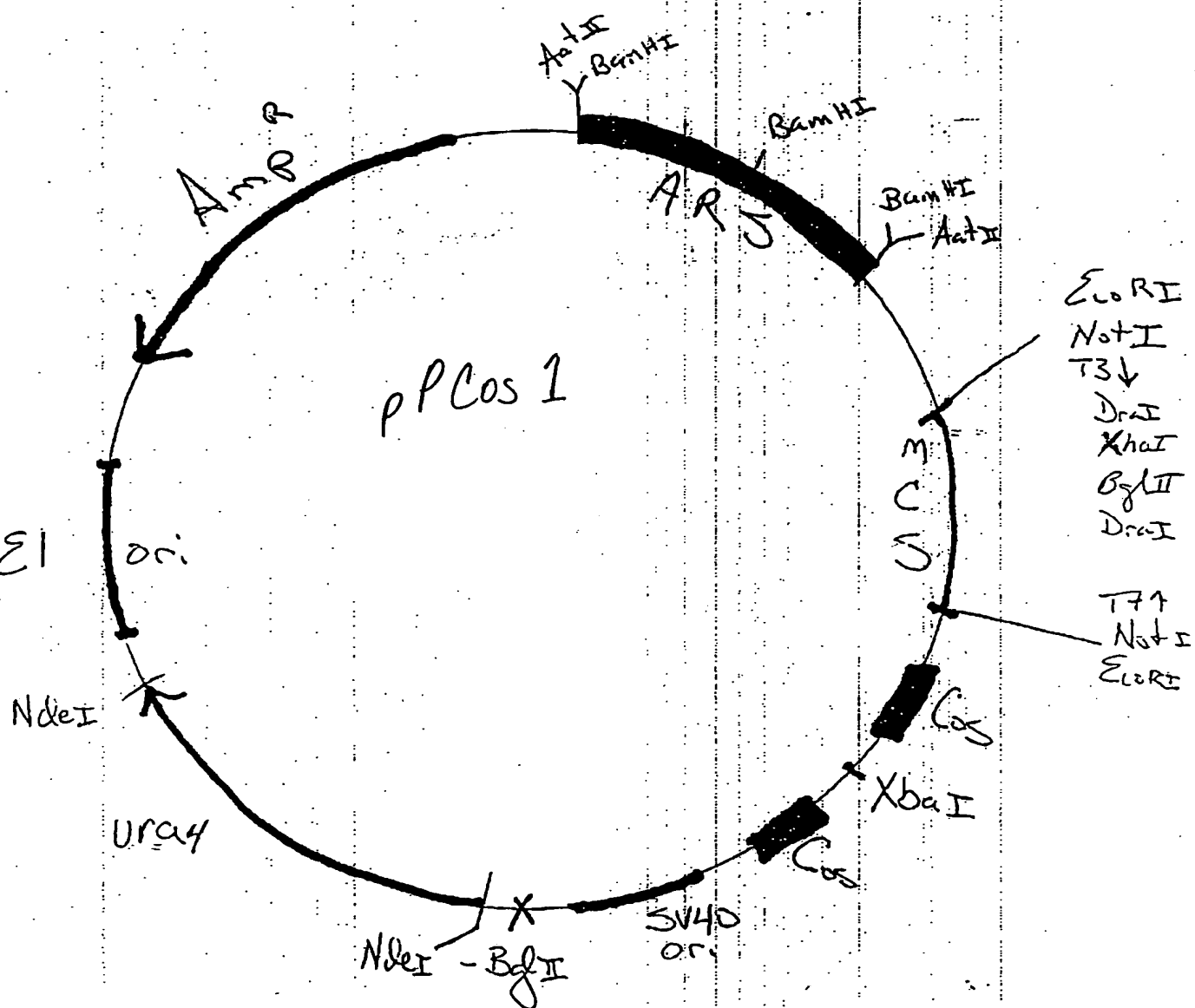


FIG. 14